O P E	2016到据	•							
T OCT 10							T		Page 1 of 1
CATON IN	OFME				ATTY. DOCKET N 0609.4970003/E			ICATION NO 52,032	•
PATENT & TO	1	FORM PT	0-1449		APPLICANT				
THIRD SU	JPPLEME!	NTAL IN	FORMATION	DISCLOSURE	Boyce, F.M.		T		
		STATE	MENT	•	FILING DATE November 19, 1	996	GROUI 1632	2	
				v.s.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUM		DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA				1				
	AB								
	AC								
	AD			<u> </u>					
	AE	<u> </u>		ļ				<u> </u>	
	AF	ļ			_/			ļ	
	AG	 			 			ļ	
	AH	4		ļ				<u> </u>	
	AI	 						 	
	AJ	 	 		 				
	AK			<u> </u>	<u>l</u>				L
		1	<u> </u>	FORBIG	N PATENT DOCUMENT	'S		T	Г
EXAMINER INITIAL		DOCUM		DATE	COUNTRY	CL	ass	SUB- CLASS	TRANSLATION
	AL				/				Yes No
	1	1			/				Yes
	AM	ļ			! /				No
	AN				<i>Y</i>				Yes No
		 		/	1				Yes
	AO			/					No
	AP					j			Yes No
		OT	HER (Inc.	luding Author,	Title, Date, Per	tinent Pages,	etc.)		•
The	MM	t	English T	ranslation of d by Weickmann	German Patent App 1 & Weickmann (11/	olication No. 1	P 44 0	7 859.5 (0	3/02/1995),
	NN					RE	ECE	IVED 5 2002	
	NO							ER 1600/29	900
EXAMINER	<u> </u>	, /	200		· · · · · · · · · · · · · · · · · · ·	DATE	CONS	IDERED 8/	9/00

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

SEP 1 3 2001 EE FORM PTO-1449

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0609.4970003/JAG/EEF

APPLICATION NO.
08/752,032

APPLICANT
Boyce, Frederick M.

FILING DATE

GROUP

GROUP

				November 19, 1996	1632		<u>8</u>
•			U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
14	CA	5,106,741	04/21/1992	Marotti et al.	435	226	06/12/1991
	DA	5,252,479	10/12/1993	Srivastava	435	235.1	11/08/1991
	EA	5,476,781	12/19/1995	Moyer et al.	435	240.2	12/07/1992
	FA	5,656,465	08/12/1997	Panicali et al.	435	172.3	05/04/1994
	<u> </u>		FOREIG	n patent documents		<u> </u>	
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
ace	CB	WO 92/14829 A1	09/03/1992	WIPO			Yes X No
	DB	WO 95/26409 A1	10/05/1995	WIPO		ļ	Abstract Yes
	EB	WO 96/09074 A1	03/28/1996	WIPO		<u> </u>	Yes X No
		OTHER (Incl)	ding Author,	Title, Date, Pertinent Pa	ges, etc.)		
nle	FO	Baculoviru	s Having the	officient Transduction of N Vesicular Stomatitis Virus Ann Liebert, Inc. (1997).	G Glycopro		
EXAMINER		y 1 , 2=	D.	$\overline{\mathcal{I}}$	DATE CONSI	DERED &	19/00

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. line through citation if not in conformance and not considered. Include copy of this form with next

communication to Applicant.
P:\USERS\JWYZYKOW\0609\4970003\2nd aupp PTO 1449



SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.4970003/JAG/EEF	APPLICATION NO. 08/752,032	TER	17
APPLICANT Boyce, Frederick M.		1600	200
FILING DATE November 19, 1996	GROUP 1632	2900	

				100 Chaper 137 1330				
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME	CLASS	SUB- CLASS	FILING DATE	
	L							
			ļ					
<u></u>					-			
			<u> </u>					
	,		FOREIG	N PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE.	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
	-						Yes No	
							Yes No	
							Yes No	
							Yes No	
			<i>'</i>				Yes No	
		OTHER (Inc.)	uding Author.	Title, Date, Pertinent Page	es. etc.)	*		
Ju	·GM	Boublik, S Glycoprote the Presen	(., et al., "E	ukaryotic Virus Display: En ographa californica Nuclear eign Proteins on the Virus	gineering Polyhedro	sis Virus	(AcNPV) for	
	GN	Efficient:	Brusca, J., et al., "Autographa californica Nuclear Polyhedrosis Virus Efficiently Enters but Does Not Replicate in Poikilothermic Vertebrate Cells," Intervirol. 26:207-222, S. Karger Scientific and Medical Publishers (1986).					
	GO		Dimmock, N.J. and Primrose, S.B., "Insect viruses," In: Introduction to Modern Virology, Third Edition, Blackewell Scientific Publications, p.304-305 (1987).					
EXAMINER .	<u></u>	se Wal	0		DATE CONSI	DERED	8/2/00	
line through								
	· co np	P24041101						



SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

		وهط	e 305f	: <u>a.</u>
ATTY. DOCKET NO.	APPLICATION	NO.	 	Т
0609.4970003/JAG/EEF	08/752,032	<u> </u>	7	-
APPLICANT		69	20	~
Boyce, Frederick M.		<u> </u>		$_{\Gamma}$
FILING DATE	GROUP	52		~

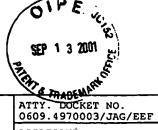
		· · · · · · · · · · · · · · · · · · ·		November 19, 1996	1632		<i>ç</i> -
·			U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	ļ						
	ļ				_		
	-			,			<u> </u>
	-				·		
	-					ļ	
	 					 	
	<u> </u>	<u> </u>	<u></u>	L	_1		<u> </u>
	T	<u> </u>	FOREIG	N PATENT DOCUMENTS	· · · · · · · · · · · · · · · · · · ·	1	T
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
				,			Yes No
				·			Yes No
							Yes No
		45.0					Yes No
							Yes No
		OTHER (Incl	uding Author,	Title, Date, Pertinent Pa	ges, etc.)		
<u></u>	Энм	Nuclear Ex	tracts from A	n Vitro Transactivation of utographa californica Nucl ells," <i>J. Virol. 66</i> :3476-3	ear Polyhed	drosis Vir	us-Infected
	ни	immediate insect and	early genes:	hrmann, G.F., "In vitro tr Accurate mRNA initiation b " Proc. Natl. Acad. Sci. L 91).	y nuclear e	extracts f	rom both
	Huber, B.E., et al., "Retroviral-mediated gene therapy for the treatment of hepatocellular carcinoma: An innovative approach for cancer therapy," Proc. Natl. Acad. Sci. USA 88:8039-8043, National Academy of Sciences (1991).						
EXAMINER		Voi Co Do	dee	y ·	DATE CONSI	dered /	106
EXAMINER: I line through communicatio	citati	on if not in co	nsidered, whet nformance and	ther or not citation is in not considered. Include	conformanc copy of thi	e with MPI s form wi	EP 609. Draw th next



SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

		r cade 1	OI (
ATTY. DOCKET NO. 0609.4970003/JAG/EEF	APPLICATION NO. 08/752,032	H.	7
APPLICANT Boyce, Frederick M.		600/	20C:
FILING DATE November 19, 1996	GROUP 1632	1000	

				=				
·				บ.ร.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	ļ							
	<u> </u>							
	ــــــ							
	ļ						ļ.,	
	↓	_				ļ	ļ	
	<u> </u>	<u> </u>				ļ	ļ	
	 		-		/	_	ļ	
	 					_		ļ
				FOREIG	N PATENT DOCUMENTS		·	·
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
					/			Yes No
								Yes No
								Yes No
								Yes No
			!					Yes No
		(OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, etc.)		
960	IM		baculoviru	s envelope ge	orporation of decay-acceler nerates complement-resistar Nature Publishing Group (N	it gene tra		
	IN		Li, Y., et al., "Transient, Nonlethal Expression of Genes in Vertebrate Cells by Recombinant Entomopoxviruses," <i>J. Virol.</i> 71:9557-9562, American Society for Microbiology (1997).					
	10				rapy's Growing Pains," <i>Scie</i> ancement of Science (1995)		050-1055,	American
EXAMINER		Ol	1, %	leve	Ì	DATE CONS	idered 多	19/06
EXAMINER: I line through communicatio	citat	ion if	not in co	nsidered, when	ther or not citation is in not considered. Include c	conformand opy of thi	e with MP s form wi	EP 609. Draw th next



-

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

APPLICANT Boyce, Frederick M. APPLICATION NO. 08/752,032

		STAT	EMENT		FILING DATE November 19, 1996	GROUP 1632	·		
				v.s.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE	
					1				
							ļ		
	├─	-	<u>. </u>			- 			
		+			 /				
		┼			 		<u> </u>		
		+	-		/	_			
	 	1		/		<u> </u>			
				/					
	۱.			<u> </u>			ļ	<u> </u>	
		_		FOREIG	N PATENT DOCUMENTS		16	1	
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
				/				Yes No	
								Yes No	
								Yes No	
								Yes No	
	<u> </u>							Yes No	
			OTHER (Incl	uding Author,	Title, Date, Pertinent Pa	ges, etc.)			
070	MU		Miller, N Federation	. and Vile, R. n of American	, "Targeted vectors for ge Societies for Experimental	ene therapy Biology (," <i>FASEB</i> (J. 9:190-199,	
	JN		Mulligan, American A	Mulligan, R.C., "The Basic Science of Gene Therapy," <i>Science 260</i> :926-932, American Association for the Advancement of Science (1993).					
	JO		Patel, G., Nucl. Acid	Patel, G., et al., "A new method for the isolation of recombinant baculovirus," Nucl. Acids. Res. 20:97-104, IRL Press (1992).					
EXAMINER	200		1,5	las		DATE CONSI	DERED &	1/4/06	
	citat	ion ii	f not in co		ther or not citation is in not considered. Include				

SP 1 3 2001 L

Page 6 of 8

FORM PTO-1449

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 0609.4970003/JAG/EEF APPLICATION NO. 08/752,032

APPLICANT

Boyce, Frederick M.

FILING DATE November 19, 1996 GROUP 1632

				November .	19, 1990	11632		
-			Մ.	S. PATENT DOCUM	ents			<u></u>
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME		CLASS	SUB- CLASS	FILING DATE
								<u> </u>
						<u> </u>		
				_				
					-			
	1							
					•			I
					<u> </u>			
		<u> </u>	FORE	IGN PATENT DOC	UMENTS			· <u> </u>
EXAMINER								
NITIAL		DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB- CLASS	TRANSLATION
								Ye N
								Ye N
								Ye N
								Ye N
						_		Ye N
		OTHER	(Including Author	or, Title, Date	, Pertinent Pag	es, etc.)		
<u>(</u>)(e	KM)	betw C/E	a, B., et al., "Coveen Growth and Dispersion of the BPα and Immediate 1. 14:5858-5869, 1	ifferentiation -Early Growth R	in Rat Hepatocy esponse Transcr	tes: Reci	procal Exp ctors," M	oression of
	KN	by a	xis, C., et al., a baculovirus-der lonal Academy of S	ived vector," P	roc. Natl. Acad			
	ко	incl	i, I., et al., "I luding non-hepation, Society for Gen	c cells, by bac	ulovirus vector	s," J. Ge	mmalian con. Virol.	ells, 78:2657-
EXAMINER _	_)ce	21	Jal)		DATE CONS	IDERED	2/9/06

EXAMINER: In tial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

ATTY. DOCKET NO. 0609.4970003/JAG/EEF

APPLICATION NO. 08/752,032

APPLICANT

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE **STATEMENT**

EXAMINER:

communication to Applicant.

FORM PTO-1449

Boyce, Frederick M. FILING DATE November 19, 1996

GROUP 1632

U.S. PATENT DOCUMENTS EXAMINER DOCUMENT DATE NAME CLASS SUB-FILING DATE INITIAL NUMBER CLASS FORÉIGN PATENT DOCUMENTS EXAMINER COUNTRY CLASS SUB-DOCUMENT DATE TRANSLATION INITIAL NUMBER CLASS Yes No Yes No Yes No Yes No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Song, S.U. and Boyce, F.M., "Combination treatment for osteosarcoma with baculoviral vector mediated gene therapy (p53) and chemotherapy (adriamycin)," LM Exp. Mol. Med. 33:46-53, Korean Society of Medical Biochemistry and Molecular Biology (March 2001). Tjia, S.T., et al., "Autographa Californica Nuclear Polyhedrosis Virus (AcNPV) DNA Does Not Persist in Mass Cultures of Mammalian Cells," Virol. 125:107-117, LN Academic Press, Inc. (February 1983). Vile, R. and Russell, S.J., "Gene transfer technologies for the gene therapy of LO cancer," Gene Ther. 1:88-98, Macmillan Press, Ltd. (March 1994). EXAMINER DATE CONSIDERED ∿2.

Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw

line through citation if not in conformance and not considered. Include copy of this form with next

50 1 3 200 E

Page 8 of 8

FORM PTO-1449

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

ASTY. DOCKET NO. 0609.4970003/JAG/EEF APPLICATION NO. 08/752,032

APPLICANT

Boyce, Frederick M.

FILING DATE

GROUP

		STATEMENT		November 19, 1996	1632		
			U.S.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	 						
	 						
	 						
	ļ						
	ļ	<u> </u>					
		-	 	 			<u> </u>
				/		 	
	<u> </u>		FOREIG	N PATENT DOCUMENTS	<u> </u>		
XAMINER NITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATIO
							Ye
						ļ	Ye
						·	Ye t
							Ye
							Ye
	•	OTHER (Inc	cluding Author,	Title, Date, Pertinent	Pages, etc.)		
qu) ^{MM}	Yap, C-C an Infect 1997).	., et al., "A H tious Virus fro	ybrid Baculovirus-T7 RNA m cDNA," <i>Virol. 231</i> :192-	Polymerase 200, Academi	System fo c Press,	r Recovery of Inc. (May
	MN	Clontech	Catalog 96/97	(Palo Alto, CA); p.118.			
J	мо	Dialog F for WO 9	ile 351, Access 5/26409 (Docume	ion No. 10457047, Derwen nt DB).	t WPI Englis	h languag	e abstract
XAMINER		Joe 6 3	relace	5	DATE CONS	IDERED 8	19/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

D	refects in the images include but are not limited to the items checked:
	BLACK BORDERS
	☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
	☐ FADED TEXT OR DRAWING
	☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
	☐ SKEWED/SLANTED IMAGES
	☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
	☐ GRAY SCALE DOCUMENTS
	☐ LINES OR MARKS ON ORIGINAL DOCUMENT
	☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
	□ other:

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.